## What is claimed is:

- 1 1. An apparatus for compressing a plurality of
- 2 structured documents having a common data structure, said
- 3 apparatus comprising:
- a tag list obtaining unit for obtaining a single
- 5 tag list, common to said plural structured documents,
- 6 that lists tags in the order of appearance;
- a structured document compressing unit for
- 8 generating a plurality of compressed documents in which
- 9 tags in individual said plural structured documents are
- 10 replaced with predetermined delimiter codes; and
- an outputting unit for outputting said single
- 12 tag list, which is obtained by said tag list obtaining
- 13 unit, and also said plurality of compressed documents,
- 14 which are generated individually from said plural
- 15 structured documents by said structured document
- 16 compressing unit, in correspondence with one another.
  - 1 2. A structured document compressing apparatus
  - 2 according to claim 1, wherein said structured document
  - 3 compressing unit further comprises:
  - a tag detecting unit for detecting each tag in
  - 5 individual said structured documents; and
  - a tag replacement unit for replacing said tag,
  - 7 detected by said tag detecting unit, with said
  - 8 predetermined delimiter code.

- 1 3. An apparatus for compressing a structured
- 2 document, said apparatus comprising:
- a tag detecting unit for detecting each tag in
- 4 said structured document; and
- 5 a tag replacement unit for replacing said tag,
- 6 detected by said tag detecting unit, with a predetermined
- 7 delimiter code.
- 1 4. An apparatus for compressing a structured
- 2 document, said apparatus comprising:
- 3 a subdocument extracting unit for extracting a
- 4 subdocument, which is a region sandwiched between a start
- 5 tag and an end tag that have a predetermined element name,
- 6 from said structured document;
- 7 a tag detecting unit for detecting each tag in
- 8 said subdocument extracted by said subdocument
- 9 extracting unit; and
- 10 a tag replacement unit for replacing said tag,
- 11 detected by said tag detecting unit, with a predetermined
- 12 delimiter code.
  - 1 5. A structured document compressing apparatus
  - 2 according to claim 3, further comprising:
  - 3 an attribute-bearing-tag discriminating unit
  - 4 for discriminating whether or not said tag detected by
  - 5 said tag detecting unit is an attribute-bearing tag, which
  - 6 has an attribute value; and

- 7 an attribute-bearing-tag replacement unit for
- 8 replacing said attribute-bearing tag, discriminated by
- 9 said attribute-bearing-tag discriminating unit, with a
- 10 set of the attribute value and a predetermined delimiter
- 11 code.
  - 1 6. A structured document compressing apparatus
  - 2 according to claim 4, further comprising:
  - 3 an attribute-bearing-tag discriminating unit
  - 4 for discriminating whether or not said tag detected by
  - 5 said tag detecting unit is an attribute-bearing tag, which
  - 6 has an attribute value; and
  - 7 an attribute-bearing-tag replacement unit for
  - 8 replacing said attribute-bearing tag, discriminated by
  - 9 said attribute-bearing-tag discriminating unit, with a
- 10 set of the attribute value and a predetermined delimiter
- 11 code.
  - 1 7. A structured document compressing apparatus
- 2 according to claim 3, further comprising:
- 3 a tag list holding unit for holding a tag list
- 4 in which tags are listed in a predetermined order for
- 5 definition of a predetermined data structure;
- 6 a tag rearranging unit for rearranging tags in
- 7 said structured document before compressed, in the
- 8 predetermined order according to the tag list held in
- 9 said tag list holding unit; and

- 10 an omitted-tag supplementing unit for
- 11 supplementing a tag omitted in said structured document
- 12 according to said tag list held in said tag list holding
- 13 unit.
  - 1 8. A structured document compressing apparatus
  - 2 according to claim 4, further comprising:
  - a tag list holding unit for holding a tag list
  - 4 in which tags are listed in a predetermined order for
  - 5 definition of a predetermined data structure;
  - 6 a tag rearranging unit for rearranging tags in
  - 7 said structured document before compressed, in the
  - 8 predetermined order according to the tag list held in
  - 9 said tag list holding unit; and
- 10 an omitted-tag supplementing unit for
- 11 supplementing a tag omitted in said structured document
- 12 according to said tag list held in said tag list holding
- 13 unit.
  - 1 9. A structured document compressing apparatus
  - 2 according to claim 5, further comprising:
  - 3 a tag/attribute list holding unit for holding
  - 4 a tag/attribute list in which tags and an attribute name
  - 5 are listed in a predetermined order for the definition
  - 6 of a predetermined data structure;
  - 7 a tag/attribute rearranging unit for rearranging
  - 8 tags and an attribute in the structured document to be

- 9 compressed, in the predetermined order according to the
- 10 tag/attribute list held in said tag/attribute list
- 11 holding unit; and
- an omitted tag/attribute supplementing unit for
- 13 supplementing a tag and/or an attribute omitted in said
- 14 structured document according to the tag/attribute list
- 15 held in said tag/attribute list holding unit.
  - 1 10. A structured document compressing apparatus
  - 2 according to claim 6, further comprising:
  - 3 a tag/attribute list holding unit for holding
  - 4 a tag/attribute list in which tags and an attribute name
  - 5 are listed in a predetermined order for the definition
  - 6 of a predetermined data structure;
  - 7 a tag/attribute rearranging unit for rearranging
  - 8 tags and an attribute in said structured document to be
  - 9 compressed, in the predetermined order according to the
- 10 tag/attribute list held in said tag/attribute list
- 11 holding unit; and
- 12 an omitted tag/attribute supplementing unit for
- 13 supplementing a tag and/or an attribute omitted in said
- 14 structured document according to the tag/attribute list
- 15 held in said tag/attribute list holding unit.
  - 1 11. A method for compressing a plurality of
  - 2 structured documents having a common data structure, said
  - 3 method comprising the steps of:

- 4 obtaining a single tag list, common to said plural
- 5 structured documents, that lists tags in the order of
- 6 appearance;
- 7 generating a plurality of compressed documents
- 8 in which tags in individual said plural structured
- 9 documents are replaced with predetermined delimiter
- 10 codes; and
- 11 outputting the single tag list and the plurality
- 12 of compressed documents generated from said plural
- 13 structured documents, in correspondence with one
- 14 another.
  - 1 12. A method for compressing a structured document,
  - 2 said method comprising the steps of:
  - 3 detecting each tag in said structured document;
  - 4 and
  - 5 replacing said tag with a predetermined
  - 6 delimiter code.
  - 1 13. A method for compressing a structured document,
  - 2 said method comprising the steps of:
  - 3 extracting a subdocument, which is a region
  - 4 sandwiched between a start tag and an end tag that have
  - 5 a predetermined element name, from said structured
  - 6 document;
  - 7 detecting each tag in said subdocument; and
  - 8 replacing said detected tag with a predetermined

- 9 delimiter code.
- 1 14. A computer readable record medium which stores
- 2 a structured document compressing program for
- 3 instructing a computer to execute a function of
- 4 compressing a plurality of structured documents having
- 5 a common data structure, wherein said structured document
- 6 compressing program instructs the computer to function
- 7 as:
- 8 a tag list obtaining unit for obtaining a single
- 9 tag list, common to said plural structured documents,
- 10 that lists tags in the order of appearance;
- 11 a structured document compressing unit for
- 12 generating a plurality of compressed documents in which
- 13 tags in individual said plural structured documents are
- 14 replaced with predetermined delimiter codes; and
- 15 an outputting unit for outputting said single
- 16 tag list, which is obtained by said tag list obtaining
- 17 unit, and also said plurality of compressed documents,
- 18 which are generated individually from said plural
- 19 structured documents by said structured document
- 20 compressing unit, in correspondence with one another.
  - 1 15. A computer readable record medium which stores
  - 2 a structured document compressing program for
  - 3 instructing a computer to execute a function of
  - 4 compressing a structured document, wherein said

- 5 structured document compressing program instructs the
- 6 computer to function as:
- 7 a tag detecting unit for detecting each tag in
- 8 said structured document; and
- 9 a tag replacement unit for replacing said tag,
- 10 detected by said tag detecting unit, with a predetermined
- 11 delimiter code.
  - 1 16. A computer readable record medium which stores
  - 2 a structured document compressing program for
  - 3 instructing a computer to execute a function of
  - 4 compressing a structured document, wherein said
- 5 structured document compressing program instructs the
- 6 computer to function as:
- 7 a subdocument extracting unit for extracting a
- 8 subdocument, which is a region sandwiched between a start
- 9 tag and an end tag that have a predetermined element name,
- 10 from said structured document;
- 11 a tag detecting unit for detecting each tag in
- 12 said subdocument extracted by said subdocument
- 13 extracting unit; and
- 14 a tag replacement unit for replacing said tag,
- 15 detected by said tag detecting unit, with a predetermined
- 16 delimiter code.
  - 1 17. An apparatus for decompressing a plurality of
  - 2 compressed documents, which are generated by replacing

- 3 tags in a plurality of original structured documents
- 4 having a common data structure with predetermined
- 5 delimiter codes, on the basis of a tag list in which tags
- 6 in said plural original structured documents are listed
- 7 in the order of appearance, said apparatus comprising:
- 8 a duplicating unit for expanding/duplicating a
- 9 data structure corresponding to said tag list, as a
- 10 duplicated data structure, on a memory; and
- a writing unit for writing element contents of
- 12 each of said compressed documents into predetermined
- 13 regions of said duplicated data structure extended on
- 14 said memory, in accordance with a correspondence between
- 15 a position of a tag in said duplicated data structure
- 16 and a position of the predetermined delimiter code in
- 17 each of said compressed documents.
  - 1 18. An apparatus for decompressing a compressed
  - 2 document generated by replacing tags in an original
  - 3 structured document with predetermined delimiter codes,
  - 4 said apparatus comprising:
  - 5 a tag list holding unit for holding a tag list
  - 6 in which tags in said structured document are listed in
  - 7 the order of appearance;
  - 8 a delimiter code detecting unit for detecting
  - 9 each of the predetermined delimiter codes in said
- 10 compressed document; and
- 11 a tag restoring unit for replacing the

- 12 predetermined delimiter code, detected by said delimiter
- 13 code detecting unit, with a corresponding tag on said
- 14 tag list, in accordance with a correspondence between
- 15 a position of the tag in said tag list and a position
- 16 of the predetermined delimiter code detected by said
- 17 delimiter code detecting unit.
  - 1 19. An apparatus for decompressing a compressed
  - 2 document generated by replacing tags in a subdocument,
  - 3 which is a region, in an original structured document,
  - 4 sandwiched between a start tag and an end tag that have
  - 5 a predetermined element name, with predetermined
  - 6 delimiter codes, said apparatus comprising:
  - 7 a tag list holding unit for holding a tag list
  - 8 in which tags in said subdocument are listed in the order
  - 9 of appearance;
- 10 a subdocument extracting unit for extracting
- 11 said subdocument from said compressed document;
- 12 a delimiter code detecting unit for detecting
- 13 each of the predetermined delimiter codes in said
- 14 subdocument extracted by said subdocument extracting
- 15 unit; and
- 16 a tag restoring unit for replacing the
- 17 predetermined delimiter code, detected by said delimiter
- 18 code detecting unit, with a corresponding tag on said
- 19 tag list, in accordance with a correspondence between
- 20 a position of the tag in said tag list and a position

- 21 of the predetermined delimiter code detected by said
- 22 delimiter code detecting unit.
  - 1 20. A structured document decompressing apparatus
  - 2 according to claim 18, wherein if an attribute inside
  - 3 an attribute-bearing tag in said original structured
  - 4 document is replaced with a set of an attribute value
  - 5 and a predetermined delimiter code in said compressed
  - 6 document, said apparatus further comprises:
  - 7 an attribute list holding unit for holding an
  - 8 attribute list in which attribute names in said compressed
  - 9 document are listed in the order of appearance;
- 10 an attribute-bearing-tag discriminating unit
- 11 for discriminating whether or not a given tag to be
- 12 restored by said tag restoring unit is an
- 13 attribute-bearing tag; and
- 14 an attribute-bearing-tag restoring unit for
- 15 restoring said attribute-bearing tag discriminated by
- 16 said attribute-bearing-tag discriminating unit, in
- 17 accordance with a correspondence between an attribute
- 18 value for said attribute-bearing tag and an attribute
- 19 name in said attribute list.
  - 1 21. A structured document decompressing apparatus
  - 2 according to claim 19, wherein if an attribute inside
  - 3 an attribute-bearing tag in said original structured
  - 4 document is replaced with a set of an attribute value

- 5 and a predetermined delimiter code in said compressed
- 6 document, said apparatus further comprises:
- 7 an attribute list holding unit for holding an
- 8 attribute list in which attribute names in said compressed
- 9 document are listed in the order of appearance;
- 10 an attribute-bearing-tag discriminating unit
- 11 for discriminating whether or not a given tag to be
- 12 restored by said tag restoring unit is an
- 13 attribute-bearing tag; and
- 14 an attribute-bearing-tag restoring unit for
- 15 restoring said attribute-bearing tag discriminated by
- 16 said attribute-bearing-tag discriminating unit, in
- 17 accordance with a correspondence between an attribute
- 18 value for said attribute-bearing tag and an attribute
- 19 name in said attribute list.
  - 1 22. A method for decompressing a plurality of
  - 2 compressed documents, which is generated by replacing
  - 3 tags in a plurality of original structured documents
  - 4 having a common data structure with predetermined
  - 5 delimiter codes, on the basis of a tag list in which tags
  - 6 in said plural original structured documents are listed
  - 7 in the order of appearance, said method comprising the
  - 8 steps of:
  - 9 expanding/duplicating a data structure
- 10 corresponding to said tag list, as a duplicated data
- 11 structure, on a memory; and

- writing element contents of each of said

  compressed documents into predetermined regions of said

  duplicated data structure extended on said memory, in

  accordance with a correspondence between a position of

  a tag in said duplicated data structure and a position

  of the predetermined delimiter code in each of said

  compressed documents.
  - 1 23. A method for decompressing a compressed document
  - 2 generated by replacing tags in an original structured
  - 3 document with predetermined delimiter codes, said method
  - 4 comprising the steps of:
  - 5 holding a tag list in which tags in said structured
  - 6 document are listed in the order of appearance;
  - 7 detecting each of the predetermined delimiter
  - 8 codes in said compressed document; and
  - 9 replacing the detected predetermined delimiter
  - 10 code with a corresponding tag on said tag list, in
  - 11 accordance with a correspondence between a position of
  - 12 the detected predetermined delimiter code and a position
  - 13 of the tag in said tag list.
    - 1 24. A method for decompressing a compressed document
    - 2 generated by replacing tags in a subdocument, which is
    - 3 a region, in an original structured document, sandwiched
    - 4 between a start tag and an end tag that have a predetermined
    - 5 element name, with predetermined delimiter codes, said

- 6 method comprising the steps of:
- 7 holding a tag list in which tags in said
- 8 subdocument are listed in the order of appearance;
- 9 extracting said subdocument from said compressed
- 10 document;
- detecting each of the predetermined delimiter
- 12 codes in said extracted subdocument; and
- 13 replacing the detected predetermined delimiter
- 14 code with a corresponding tag on said tag list, in
- 15 accordance with a correspondence between a position of
- 16 the detected predetermined delimiter code and a position
- 17 of the tag in said tag list.
  - 1 25. A computer readable record medium which stores
  - 2 a structured document decompressing program for
  - 3 instructing a computer to execute a function of
  - 4 decompressing a plurality of compressed documents
  - 5 generated by replacing tags, in a plurality of original
  - 6 structured documents having a common data structure, with
  - 7 predetermined delimiter codes on the basis of a tag list
  - 8 in which tags in said plural structured documents are
  - 9 listed in the order of appearance, wherein said structured
- 10 document decompressing program instructs the computer
- 11 to function as:
- 12 a duplicating unit for expanding/duplicating a
- 13 data structure corresponding to said tag list, as a
- 14 duplicated data structure, on a memory; and

- a writing unit for writing element contents of
  each of said compressed documents into predetermined
  regions of said duplicated data structure extended on
  said memory, in accordance with a correspondence between
  a position of a tag in said duplicated data structure
  and a position of the predetermined delimiter code in
  each of said compressed documents.
  - 1 26. A computer readable record medium which stores
  - 2 a structured document decompressing program for
  - 3 instructing a computer to execute a function of
  - 4 decompressing a compressed document generated by
  - 5 replacing tags, in an original structured document, with
  - 6 predetermined delimiter codes, wherein said structured
  - 7 document decompressing program instructs the computer
  - 8 to function as:
  - g a delimiter code detecting unit for detecting
  - 10 each of the predetermined delimiter codes in said
  - 11 compressed document; and
  - 12 a tag restoring unit for replacing the
  - 13 predetermined delimiter code, detected by said delimiter
  - 14 code detecting unit, with a corresponding tag on a tag
  - 15 list in which tags in said structured document are listed
  - 16 in the order of appearance, in accordance with a
  - 17 correspondence between a position of the tag in said tag
  - 18 list and a position of the predetermined delimiter code
  - 19 detected by said delimiter code detecting unit.

- 1 27. A computer readable record medium which stores
- 2 a structured document decompressing program for
- 3 instructing a computer to execute a function of
- 4 decompressing a compressed document generated by
- 5 replacing tags in a subdocument, which is a region, in
- 6 an original structured document, sandwiched between a
- 7 start tag and an end tag that have a predetermined element
- 8 name, with predetermined delimiter codes, wherein said
- 9 structured document decompressing program instructs the
- 10 computer to function as:
- a subdocument extracting unit for extracting
- 12 said subdocument from said compressed document;
- a delimiter code detecting unit for detecting
- 14 each of the predetermined delimiter codes in said
- 15 subdocument extracted by said subdocument extracting
- 16 unit; and
- 17 a tag restoring unit for replacing the
- 18 predetermined delimiter code, detected by said delimiter
- 19 code detecting unit, with a corresponding tag on a tag
- 20 list in which tags in said subdocument are listed in the
- 21 order of appearance, in accordance with a correspondence
- 22 between a position of the tag in said tag list and a position
- 23 of the predetermined delimiter code detected by said
- 24 delimiter code detecting unit.
  - 1 28. A structured document processing system for
  - 2 processing a plurality of structured documents having

- 3 a common data structure, comprising a structured document
- 4 compressing apparatus for compressing said plurality of
- 5 structured documents and a structured document
- 6 decompressing apparatus for decompressing the data
- 7 compressed by said structured document compressing
- 8 apparatus, wherein
- 9 said structured document compressing apparatus
- 10 comprises:
- a tag list obtaining unit for obtaining
- 12 a single tag list, common to said plural structured
- 13 documents, that lists tags, extracted from said plural
- 14 structured documents, in the order of appearance;
- a structured document compressing unit
- 16 for generating a plurality of compressed documents in
- 17 which tags in individual said structured documents are
- 18 replaced with predetermined delimiter codes; and
- an outputting unit for outputting said
- 20 single tag list, which is obtained by said tag list
- 21 obtaining unit, and also said plurality of compressed
- 22 documents, which are generated individually from said
- 23 plural structured documents by said structured document
- 24 compressing unit, in correspondence with one another,
- 25 and wherein
- 26 said structured document decompressing unit
- 27 comprises:
- a duplicating unit for
- 29 expanding/duplicating a data structure corresponding to

- 30 said tag list, as a duplicated data structure, on a memory;
- 31 and
- a writing unit for writing element
- 33 contents of each of said compressed documents into
- 34 predetermined regions of said duplicated data structure
- 35 extended on said memory, in accordance with a
- 36 correspondence between a position of a tag in said
- 37 duplicated data structure and a position of the
- 38 predetermined delimiter code in each of said compressed
- 39 documents.
  - 1 29. A structured document processing system for
  - 2 processing a structured document, comprising a
  - 3 structured document compressing apparatus for
  - 4 compressing said structured document and a structured
  - 5 document decompressing apparatus for decompressing the
  - 6 data compressed by said structured document compressing
  - 7 apparatus, wherein
  - 8 said structured document compressing apparatus
  - 9 comprises:
- 10 a tag detecting unit for detecting each
- 11 tag in said structured document; and
- 12 a tag replacement unit for replacing said
- 13 tag, detected by said tag detecting unit, with a
- 14 predetermined delimiter code, and wherein
- 15 said structured document decompressing
- 16 apparatus comprises:

- a tag list holding unit for holding a tag
- 18 list in which tags in said structured document are listed
- 19 in the order of appearance;
- a delimiter code detecting unit for
- 21 detecting each of the predetermined delimiter codes in
- 22 the data compressed by said structured document
- 23 decompressing apparatus; and
- 24 a tag restoring unit for replacing the
- 25 predetermined delimiter code, detected by said delimiter
- 26 code detecting unit, with a corresponding tag on said
- 27 tag list, in accordance with a correspondence between
- 28 a position of the tag in said tag list and a position
- 29 of the predetermined delimiter code detected by said
- 30 delimiter code detecting unit.
  - 1 30. A structured document processing system for
  - 2 processing a structured document, comprising a
  - 3 structured document compressing apparatus for
  - 4 compressing said structured document and a structured
  - 5 document decompressing apparatus for decompressing the
  - 6 data compressed by said structured document compressing
  - 7 apparatus, wherein
  - 8 said structured document compressing apparatus
  - 9 comprises:
- 10 a first subdocument extracting unit for
- 11 extracting a subdocument, which is a region sandwiched
- 12 between a start tag and an end tag that have a predetermined

13 element name, from said structured document; a tag detecting unit for detecting each 14 tag in said subdocument extracted by said first 15 subdocument extracting unit; and 16 a tag replacement unit for replacing said 17 tag, detected by said tag detecting unit, with a 18 19 predetermined delimiter code, and wherein 20 said structured document decompressing apparatus comprises: 21 22 a tag list holding unit for holding a tag 23 list in which tags in said subdocument are listed in the 24 order of appearance; a second subdocument extracting unit for 25 26 extracting said subdocument from the data compressed by 27 said structured document compressing apparatus; a delimiter code detecting unit for 28 29 detecting each of the predetermined delimiter codes in 30 said subdocument extracted by said second subdocument 31 extracting unit; and 32 a tag restoring unit for replacing the 33 predetermined delimiter code, detected by said delimiter 34 code detecting unit, with a corresponding tag on said 35 tag list, in accordance with a correspondence between 36 a position of the tag in said tag list with a position of the predetermined delimiter code detected by said 37 38 delimiter code detecting unit.

- 1 31. A structured document processing system
- 2 according to claim 29, further comprising:
- a tag-list-group holding unit for holding a
- 4 plurality of tag lists corresponding to data structures
- of structured documents that can possibly be processed;
- 6 and
- 7 a tag list managing unit for managing
- 8 correspondence between compressed documents generated
- 9 by said structured document compressing apparatus and
- 10 said tag lists held in said tag-list-group holding unit.
  - 1 32. A structured document processing system
  - 2 according to claim 30, further comprising:
  - a tag-list-group holding unit for holding a
  - 4 plurality of tag lists corresponding to data structures
  - of structured documents that can possibly be processed;
  - 6 and
  - 7 a tag list managing unit for managing
  - 8 correspondence between compressed documents generated
  - 9 by said structured document compressing apparatus and
- 10 said tag lists held in said tag-list-group holding unit.
  - 1 33. A structured document processing system
  - 2 according to claim 29, further comprising:
  - a tag-list-group holding unit for holding a
  - 4 plurality of tag lists corresponding to data structures
  - 5 of structured documents that can possibly be processed;

- a tag-list identification information adding 6 unit for adding tag-list identification information, 7 which identifies a tag list that corresponds to a 8 compressed document generated by said structured 9 document compressing apparatus, to said compressed 10 11 document; and a tag-list identification information obtaining 12 unit for obtaining said tag-list identification 13 information added to said compressed document, 14 said structured document decompressing 15 apparatus decompressing said compressed document using 16 said tag list that corresponds to said tag-list 17 identification information obtained by said tag-list 18 identification information obtaining unit. 19
  - A structured document processing system 34. 1 according to claim 30, further comprising: 2 a tag-list-group holding unit for holding a 3 plurality of tag lists corresponding to data structures 4 of structured documents that can possibly be processed; 5 a tag-list identification information adding 6 unit for adding tag-list identification information, 7 which identifies a tag list that corresponds to a 8 compressed document generated by said structured 9 document compressing apparatus, to said compressed 10
  - 12 a tag-list identification information obtaining

document; and

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- 13 unit for obtaining said tag-list identification
- 14 information added to said compressed document,
- 15 said structured document decompressing
- 16 apparatus decompressing said compressed document using
- 17 said tag list that corresponds to said tag-list
- 18 identification information obtained by said tag-list
- 19 identification information obtaining unit.
  - 1 35. A structured document processing system
  - 2 according to claim 31, wherein said tag-list-group
  - 3 holding unit is provided on a management server, which
  - 4 is communicably connected with said structured document
  - 5 compressing apparatus and with said structured document
  - 6 decompressing apparatus via a network, and a tag list
  - 7 necessary for the processing is read from said
  - 8 tag-list-group holding unit on said management server.
  - 1 36. A structured document processing system
  - 2 according to claim 32, wherein said tag-list-group
  - 3 holding unit is provided on a management server, which
  - 4 is communicably connected with said structured document
  - 5 compressing apparatus and with said structured document
  - 6 decompressing apparatus via a network, and a tag list
  - 7 necessary for the processing is read from said
  - 8 tag-list-group holding unit on said management server.
  - 1 37. A structured document processing system

- 2 according to claim 33, wherein said tag-list-group
- 3 holding unit is provided on a management server, which
- 4 is communicably connected with said structured document
- 5 compressing apparatus and with said structured document
- 6 decompressing apparatus via a network, and a tag list
- 7 necessary for the processing is read from said
- 8 tag-list-group holding unit on said management server.
- 1 38. A structured document processing system
- 2 according to claim 34, wherein said tag-list-group
- 3 holding unit is provided on a management server, which
- 4 is communicably connected with said structured document
- 5 compressing apparatus and with said structured document
- 6 decompressing apparatus via a network, and a tag list
- 7 necessary for the processing is read from said
- 8 tag-list-group holding unit on said management server.